

JOINT PHOTOGRAPHIC INTELLIGENCE BRIEF

ARMY-NAVY-CIA

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SUBJECT : High-Frequency Receiving Site NO : PIC/JB-112/60
DATE : 8 July 1960
LOCATION: 5.5 nm SSW of Kuybyshev, USSR COORD: 53°05'N 50°09'E



MAPS or CHARTS

25X1D

ACIC. US Air Target Chart, Series 100, Sheet 0165-9998-100A,
2d ed, Sep 53, 1:100,000 (S)
AMS. Series N 501, Sheet NN 39-8, 3d ed, Oct 57, 1:250,000 (U)

DOCUMENTS

CIA. PIC/TP-1/59, Designation of Fishbone Antenna Configurations,
Jun 59 (TSC)

REMARKS

A high-frequency receiving site is located 5.5 nautical miles south-southwest of Kuybyshev, USSR, at 53°05'N 50°09'E. The site contains a large control building, 2 smaller control buildings, an administrative and housing area, 2 possible double-end bent rhombic antennas (see accompanying figure, items 1 and 2), one double-end rhombic (item 3), 6 single rhombics (items 4-9), 4 type A fishbone antennas (items 10-13), 2 type B fishbones (items 14 and 15), and several stick masts. The site is fence-enclosed, is serviced by an all-weather road, and probably receives power from an existing power line along the southwest side of the site. Designation of fishbone antenna types is in accordance with the system established in CIA/PIC/TP-1/59. Tables 1 and 2 give data on the rhombic and fishbone antennas, respectively.

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PIC/JB-112/60

TABLE 1. DATA ON RHOMBIC ANTENNAS

No	Major Axis (ft)	Minor Axis (ft)	Distance Between End Poles (ft)	Tilt Angle (°)	Length Of One Side (ft)	Pole Height (ft)
1	765	280	70	70	405	15 (End)
2*	-	350**	-	-	-	85 (Side)
3	570	285	75		320	100
4	610	260	-		335	100
5	790	355	-	65	430	80
6	790	355	-	65	430	80
7	610	260	-		335	100
8	790	355	-	65	430	80
9	790	355	-	65	430	80

* The exact position of the end poles could not be determined; the antenna configuration is probably the same as that of No 1.
 ** Not the minor axis but the distance between side poles.

TABLE 2. DATA ON FISHBONE ANTENNAS

No	Major Axis (ft)	Minor Axis (ft)	Pole Height (ft)
10	300	80	40
11	300	80	40
12	300	80	40
13	300	80	40
14	290	170	40
15	290	170	40

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